

Title (en)  
CORRUGATED RADIOFREQUENCY ABLATION CATHETER HAVING WALL-ATTACHING ADJUSTMENT WIRES AND APPARATUS THEREOF

Title (de)  
GEWELLTER HOCHFREQUENZ-ABLATIONS-KATHETER MIT WANDFIXIERUNGSANPASSUNGSDRÄHTEN UND VORRICHTUNG DAFÜR

Title (fr)  
CATHÉTER D'ABLATION PAR RADIOFRÉQUENCES ONDULÉ COMPORTANT DES CÂBLES DE RÉGLAGE ASSURANT LA FIXATION À LA PAROI ET APPAREIL ASSOCIÉ

Publication  
**EP 3295885 A1 20180321 (EN)**

Application  
**EP 16792177 A 20160510**

Priority  
• CN 201510244254 A 20150513  
• CN 201520605029 U 20150812  
• CN 201510492572 A 20150812  
• CN 2016081621 W 20160510

Abstract (en)  
A corrugated radio frequency ablation catheter having wall-attaching adjustment wires (6, 6A, 6B, 6A', and 6B'), provided with a strip-shaped connecting catheter, an electrode frame provided at the front extremity of the connecting catheter, and a control handle (20) provided at the rear extremity of the connecting catheter. The electrode frame is a corrugated electrode frame consisting of one or more corrugations, where one or more electrodes (2) respectively are distributed on the corrugations. The rear sections of the wall-attaching adjustment wires (6, 6A, 6B, 6A', and 6B') are slidably provided within one lumen of the connecting catheter and are connected at the rear extremities (60) onto a control element (22) provided on the control handle (20) or connected onto a control element (22) provided outside of the control handle (20). The front sections of the wall-attaching adjustment wires (6, 6A, 6B, 6A', and 6B') protrude to the outside of the electrode frame and either run through one or more holes (11, 12, 13, and 14) provided on the corrugations or run around the multiple corrugations, and then the front extremities return to the interior of the electrode frame. By pulling back the wall-attaching adjustment wires (6, 6A, 6B, 6A', and 6B'), substantial changes in the diameters of the corrugations of the electrode frame are allowed.

IPC 8 full level  
**A61B 18/18** (2006.01)

CPC (source: EP US)  
**A61B 18/1492** (2013.01 - EP US); **A61B 18/18** (2013.01 - US); **A61B 2017/00323** (2013.01 - US); **A61B 2017/00331** (2013.01 - US); **A61B 2018/00214** (2013.01 - EP); **A61B 2018/00345** (2013.01 - EP); **A61B 2018/00434** (2013.01 - US); **A61B 2018/00577** (2013.01 - EP US); **A61B 2018/00821** (2013.01 - EP); **A61B 2018/00916** (2013.01 - EP); **A61B 2018/0094** (2013.01 - US); **A61B 2018/1435** (2013.01 - EP); **A61B 2018/1465** (2013.01 - US); **A61B 2018/1467** (2013.01 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3295885 A1 20180321**; **EP 3295885 A4 20190206**; **EP 3295885 B1 20221130**; ES 2935607 T3 20230308; JP 2018515226 A 20180614; JP 6852898 B2 20210331; US 2018116712 A1 20180503; WO 2016180327 A1 20161117

DOCDB simple family (application)  
**EP 16792177 A 20160510**; CN 2016081621 W 20160510; ES 16792177 T 20160510; JP 2017558658 A 20160510; US 201615573462 A 20160510